

Kentucky
Agricultural Experiment Station

University of Kentucky

Commercial Feeds in Kentucky in 1931

BULLETIN NO. 330



Lexington, Ky.

June, 1932

(173)

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Commercial Feeds in Kentucky in 1931

J. D. TURNER, H. D. SPEARS, W. G. TERRELL and
L. V. AMBURGEY

The year of 1931 was unusual in feed control work in Kentucky. It ended the unprecedented drouth of 1930 and was followed by exceptionally high yield of crops. Many new problems arose.

During the drouth period, feeds of all classes were very scarce and prices were high. Much of the feed shipped into the drouth area was of questionable quality and a close supervision had to be maintained. However, when the crops came in, the over-abundance of feed and the lack of stock to consume it, produced an unusual situation entirely the reverse to that of the preceding year. The demand was so small that the prices of all classes of feeds were reduced to about half. Seldom had feeds high in protein been so cheap. High-grade feed materials were so plentiful and low in price that the low-grade and trashy feeds were not worth their freight. Manufacturers became careless in maintaining a uniform product. Often the protein content was much higher than guaranties required and feed mixtures varied greatly.

Supplies of raw materials from which byproduct feeds are produced were plentiful, but the general depression limited the output of the main products. As a result, production of byproduct feeds was reduced, but the supply was ample and in excess of the demand. Supplies of wheat mill feeds were smaller because less wheat was ground for flour. Cottonseed meal was plentiful, tho the amount of cottonseed crushed was below normal. Much less linseed oil meal was produced than in normal times, because of the small crop of

flaxseed the previous year. However, the demand for this product was not great as farm crops were heavy. Limited outlet for the main products made from corn lessened the volume of corn byproducts consumed in Kentucky. Whole ground corn took the place in a large measure of the corn byproducts, such as hominy feed and corn gluten feed and meal. The soybean crop was large and crushing increased to such an extent that more soybean oil meal was used in mixed feeds as a substitute for cottonseed and linseed meals and other high-protein concentrates.

A decline in the consumption of feedstuffs occurred in spite of their cheapness and the increased number of livestock over 1930. Prices of grain, hays and byproduct feeds were at unusually low levels, as were the prices of products into which these materials are converted. Feedstuffs of all classes were the cheapest in many years, the index of prices at the close of the year averaging only 52.4 percent as compared with 78.6 percent at the close of 1930.

For the year 1931, 1361 samples were collected and analyzed both chemically and microscopically. The results were sent to those directly concerned. Therefore, only a summary of these results is printed in this bulletin. The results in the main show that the feeds sold in Kentucky are well up to their guaranties and of a high standard in quality. There were minor irregularities and infractions of the law due perhaps to the cheapness of materials, carelessness or oversight in handling. Seventeen violations were of a major nature and required the filing of actions for prosecutions.

BUYING FEEDS

The attention of feeders is directed to the standards and requirements established by the Department of Feed Control for special purpose feeds and for most of the straight byproduct feeds which are listed on another page in this bulletin. Before any feed is accepted for registration, it must meet these requirements. These standards and requirements are on a minimum basis and reference should be made to them when studying or buying feeds.

A complete summary of the information required in the registration of the manufacturer is printed on the State tag or label. The feeder, therefore, is urged to read and study this information. Enough information is given to enable the buyer to judge the quality of feed. In addition to the minimum amounts of crude protein and fat and the maximum amount of crude fiber a feed contains, the sources of these essential constituents are given. While the amounts of the chemical constituents are important to know, it is of as much importance, or more, to know their source.

Often feeds are made from highly fibrous and waste materials and enough high-protein concentrate added to bring up the protein to a certain percentage. If the purchaser buys such feeds on the amount of protein alone, without regard to its source, he overlooks the most important factor in feed requirements. He should not only consider the amount of the protein but its quality also. Protein from highly fibrous and waste materials is regarded usually as poor in quality. The protein may be in sufficient amount but not of the proper kind and may not be in available form. If this is true the feed will not supply the needs of the animal. Protein varies in kind and quality. The different kinds serve different purposes in animal nutrition and the absence of one kind is not made up by the presence of another. The source of proteins is important, as certain kinds of protein are found only in certain materials. In order, therefore, to insure the presence of required proteins in a feed, a variety of protein-furnishing materials should be included in the ration.

If the feeder will only exercise reasonable diligence and common judgment in reading and studying the label, he will know the quality of feed he is buying and be able to protect himself against fraud. In addition, if a material of little or no feeding value as a concentrate, such as oat hulls, cottonseed hulls, clipped oat byproduct, cob meal, screenings waste or refuse and materials that cannot be classed as concentrates, is used, the kind and percentage of such material must be stated. No feed is permitted to be sold on the market

that contains a filler or fillers in excess of 25 percent of the mixture.

STATE TAG

The feeder has been constantly advised to read and study the State tag before he buys his feeds. In addition to the information given on the tag, he is advised further about the feed he has under consideration by the color of the tag attached to the bag of feed.

If a feed is tagged with a manila tag printed in black ink, it is a straight feed made of one grain or plant only, such as wheat bran, cottonseed meal, linseed oil meal, alfalfa meal, etc. This feed is known as a black tag feed, or straight feed.

If a feed is labeled with a manila tag printed in red ink, it denotes that it is made of products or byproducts of two or more grains, cereals or plants and the tag plainly tells what these materials are. This feed is known as a red tag feed, or straight mixed feed.

If a feed is labeled with a yellow tag, it indicates that the feed contains a material or materials of little or no feeding value, such as oat hulls, cob meal, screenings refuse, cottonseed hulls, barley hulls, or hulls and chaff, or foreign material of a highly fibrous nature. This feed is commonly known as **Yellow Tag Feed**, or **Adulterated Feed**. The label of this feed should be studied and considered carefully before buying.

FILLERS AND ADULTERANTS

Before the feed control officials had technical means for detecting adulterants and fraudulent practices in the feed industry, such materials as cob meal, rice hulls, oat hulls, peanut hulls, peat and materials of little or no feeding value, were commonly used in the simpler byproduct feeds. As the feed control work developed, these adulterants were driven from the common straight byproduct feeds into mixed feeds, a more secure hiding place where it was more difficult for the analyst to determine the adulterant. The development of scientific knowledge of feeds and feeding gave a great impetus

to the mixed feed or special purpose feed industry and the use of fillers or adulterants of various kinds was confined more or less to this class of feeds. This is true today.

If filler materials or adulterants could be placed on their own merit, both in feed and money values, when mixed with feeds, there could be little objection to using them. But when disguised in whole or in part by other materials and sold to feeders at prices not commensurate with their feed value, such practice becomes objectionable from both a legal and economical consideration.

Some of the more common materials used as fillers or adulterants are described here in order to call specific attention to them and their value as feed materials.

Damaged and Diseased Grain. Grain that has been badly damaged by fire and water, or bin-burnt, or grain that has been stored in a damp place and become moldy and partially rotten, should not be used as feed. This is true of barley and other grain badly diseased with scab. Feeds containing moldy, decayed and scabby grains, may cause death to animals, or indigestion, or cumulative poisoning which may lead to sickness and death. Feeds containing screenings waste are likely to contain damaged and diseased grains, or both, and poisonous weed seeds, and if in sufficient amount may cause sickness or death to animals. Poisons, especially cumulative poisons, molds, disease germs and injurious materials, are most likely found in filler feeds containing trashy materials, damaged and inferior grains and waste materials. Careful consideration of feeders in buying such materials in feeds should be given.

Corn Cob Meal. Most everyone who has had anything to do with feeding stock knows what corn cobs are and something of their value as a feed. Their lack of feeding value is so generally known that they are seldom used in feeds. Corn cobs are used in dairy feeds sometimes in the form of crushed ear corn, but rarely ever used in a straight form as a filler. Cob meal has practically no feeding value and is only used to give bulk to a feed or as an adulterant. It has

on an average, 2 percent protein, 0.4 percent fat and 32 percent fiber, with a low coefficient of digestibility.

Corn Bran. Corn bran is often blended with wheat feeds and used in mixed feeds as corn feed meal, and under other corn-feed names. In such mixtures it is hard to detect. It has an average content of 9 percent protein, 5.50 percent fat and 10 percent fiber. It has a low coefficient of digestibility.

Oat Hulls. Oat hulls are a roughage. They have about the same feeding value as timothy and redtop hays and corn stover. They can be fed economically only when their cost is commensurate with their small feeding value. Most feeders are familiar with their feed value. It is when oat hulls are substituted for ground oats, or mixed with ground oats, or used in some form not properly understood by the feeder that deception occurs.

Oat hulls average about 4 percent protein, 1.50 percent fat and 29 percent fiber. Less than 75 percent of the protein is digestible and less than 42 percent of the fiber.

Alfalfa Stem Meal. Alfalfa stem meal or a mixture of it with alfalfa meal sometimes is substituted for alfalfa meal in mixed feeds. Alfalfa stems are low in protein, averaging about 6 percent and are high in fiber, averaging about 54 percent. They are low in digestibility.

Cottonseed Hulls. Cottonseed hulls, like oat hulls and other such materials, should be used only as a roughage. They have an average of 4.50 percent protein and 44 percent fiber. They are low in digestibility.

Peanut Hulls. Peanut hulls have an average of 7 percent protein and 56 percent fiber. They are very low in digestibility and on account of the high fiber they contain are considered very objectionable when mixed with feeds.

Rice Hulls. Rice hulls have an average of 3.3 percent protein and 35 percent fiber. They are not only low in digestibility, but their use as a feed is prohibited in Kentucky because they are considered injurious to animals.

Screenings. Under the name of screenings one may expect to find a mixture containing every form of waste and refuse obtained in cleaning grain and plants. The term has

no definite meaning, as screenings vary widely in chemical and physical composition. They are factory-made and are composed of such materials as hulls, chaff, sweepings, elevator dust, joints, sticks, stems, weed seeds, trash and dirt. Usually these materials are produced at independent grain and elevator mills and in large quantities by grain elevators at grain terminals where there are firms that specialize in these cleanings or screenings. Many of these operate elevators at which screenings are separated and remixed. In the process of separation, the materials composing the screenings or cleanings are separated into the following lots: broken, light and immature grains of wheat, barley, oats, corn, flax, etc., wild mustard, wild buckwheat, weed seeds, chaff, hulls, dirt and elevator dust.

These materials are disposed of in various ways. The broken and immature wheat is sold for chicken feed; the light and wild oats for feed oats; the light and immature barley grains for barley feed; the wild mustard is sold to crushers for its oil; and the weed seeds, chaff, hulls, dirt, sticks and other waste that remain are mixed with other screenings waste and ground finely to cover up identity and sold to mixers of stock feed as "grain screenings."

Generally speaking, there are two classes of screenings. First, the whole cleanings which contain the regular run of light and immature grains. Usually these screenings are not used in mixed feeds. Second, the screenings refuse or waste from which all or most all the grain and seeds of commercial value have been removed.

The screenings refuse or waste may be subdivided as follows:

First, light screenings, a light-weight, highly fibrous material obtained by air or aspiration, composed mostly of hulls, chaff, sticks, joints, straw, cob, corn silks, dirt and other light material. Second, heavy screenings, a material obtained by sieving machinery and composed of weed seeds and inert materials. These heavy and light cleanings or refuse materials are mixed and sold to suit the purchaser of screenings.

Most of the screenings now sold are factory-made. The different lots of cleanings are brought together and mixed in such proportions necessary to suit the trade.

The analytical results of a number of representative samples of the different kinds of stock screenings and screenings prepared for the market, are given herewith.

1. Grain Screenings—Heavy

Protein	16.55%
Fat	6.88%
Fiber	14.30%
Ash	7.69%
Water	9.71%
Nitrogen-free Ext.	44.89%
Sand	1.92%

Composed approximately of the following:

Weed Seeds	90%
Wheat	3%
Oats (trace)	1%
Barley (trace)	1%
Chaff	5%

2. Grain Screenings—Flax

Protein	19.40%
Fat	16.33%
Fiber	14.00%
Ash	8.10%
Water	7.55%
Nitrogen-free Ext.	34.62%
Sand	2.18%

Composed approximately of the following:

Flax Seed	15%
Flax Bolls	5%
Shives and Chaff	10%
Weed Seeds	70%

3. Grain Screenings—Light Stock—from Barley

Protein	11.80%
Fat	2.76%
Fiber	18.30%

Ash	12.25%
Water	8.93%
Nitrogen-free Ext.	45.96%
Sand	3.18%

Composed approximately of the following:

Barley Hulls and Chaff	75%
Corn	1%
Wheat	7%
Oats	2%
Weed Seeds	15%

4. Grain Screenings—Cleanings by Air from Corn

Protein	11.60%
Fat	3.81%
Fiber	12.55%
Ash	4.60%
Water	9.65%
Nitrogen-free Ext.	57.79%
Sand	1.33%

Composed of corn cleanings containing some cob, broken and imperfect kernels, silks and blowings.

5. Grain Screenings—Cleanings by Air from Oats

Protein	5.20%
Fat	2.29%
Fiber	25.30%
Ash	10.38%
Water	8.33%
Nitrogen-free Ext.	48.50%
Sand	1.63%

Composed of immature light oats, oat hulls and oat chaff.

6. Cleanings removed from Corn thru Dust Collectors

Protein	11.50%
Fat	3.10%
Fiber	13.83%
Ash	6.40%
Water	8.75%
Nitrogen-free Ext.	56.42%
Sand	2.65%

Corn blowings.

7. Grain Screenings—16½ lbs.—Prepared by Elevator for Market

Protein	9.90%
Fat	1.95%
Fiber	23.50%
Ash	12.13%
Water	8.10%
Nitrogen-free Ext.	44.42%
Sand	2.85%

Composed mostly of barley chaff and weed seeds.

8. Grain Screenings—20 lbs.—Prepared by Elevator for Market

Protein	14.40%
Fat	2.03%
Fiber	18.30%
Ash	9.20%
Water	8.40%
Nitrogen-free Ext.	47.67%
Sand	1.23%

Composed of chaff, hulls and weed seeds.

9. Grain Screenings—32 lbs.—Prepared by Elevator for Market

Protein	16.20%
Fat	2.19%
Fiber	15.50%
Ash	9.00%
Water	8.60%
Nitrogen-free Ext.	48.51%
Sand	2.10%

Composed of a small amount of chaff and large amount of weed seeds. Sand noticeable.

10. Grain Screenings—20 lbs.—Prepared to pass any State Official

Protein	12.90%
Fat	6.68%
Fiber	14.75%
Ash	8.70%
Water	8.75%
Nitrogen-free Ext.	48.22%
Sand	2.28%

Composed of cleanings from corn, oats, barley and approximately 25% weed seeds.

Screenings sample No. 10 appears to be about the average of screenings. If a higher percentage of weed seeds is used to bring up the protein, the weed seed odor becomes too pronounced and palatability is reduced. If poisonous weed seeds are present, increasing the proportion of weed seeds may render the material dangerous to the health of animals. On the other hand, if too much of the hulls, chaff, elevator dust and dirt are used so as to reduce the proportion of weed seeds, the fiber and ash are made objectionably high.

In all the samples analyzed, it will be observed that the ash is very high because of the large amount of dirt and sand in the screenings. The percentage of fiber also is high, which indicates a large percentage of hulls, chaff and highly fibrous materials. Where the protein and fat are found to be high, a large percentage of weed seeds is found to be present. In each sample analyzed, very little, if any, broken, immature and inferior grain was found.

In buying feeds containing fillers, a purchaser should study the information available to him on the official tag and keep in mind that usually filler feeds are the highest priced and most costly feeds he can buy, when actual results are considered.

PREPARATION OF A RATION

Intelligent preparation of a ration requires a very complete knowledge of feedstuffs and their use, including analysis and other important factors in nutrition. This knowledge must be sufficient to permit the planning of a ration that satisfies the following conditions, if satisfactory results are to be obtained. First, the ration must contain sufficient digestible, complete proteins and digestible energy-producing substances in right proportions to meet the needs of the animal. Second, it must contain the proper amount of indigestible fibrous materials, such as is found in the fibrous parts of plants. Third, it must contain the vitamins in adequate amounts. Fourth, it must also contain the right kinds of mineral matter in sufficient amounts. Fifth, it must be free from injurious substances, such as poisons, especially cumula-

tive poisons, disease germs or anything that produces mechanical injury.

INFORMATION REQUIRED

Before a manufacturer can register his feeds for sale in Kentucky, he must furnish very definite information about the feeds in question and meet the requirements set forth in the following minimum chemical standards and general rules and regulations covering feeds. This information is printed on the State tag or label which must be attached to each bag of feed when sold or exposed for sale within the State.

CHEMICAL STANDARDS

	Minimum Protein Percent	Minimum Fat Percent	Maximum Fiber Percent
1. Standard By-Products:			
Mixed Wheat Feed	15.50	4.00	8.50
Wheat Bran	14.50	3.75	10.00
Brown Wheat Middlings or Shorts	16.00	4.00	7.50
Gray Wheat Middlings or Shorts	16.00	4.00	6.00
White Wheat Middlings or Shorts	16.00	3.75	4.00
Flour Middlings	16.00	3.75	4.00
Corn Feed Meal	8.00	3.75	5.00
Cracked Corn	8.00	3.50	3.00
Hominy Meal, Hominy Feed	10.00	7.00	6.00
Alfalfa Meal .....	.....	.....	32.00
Alfalfa Leaf Meal .....	.....	.....	18.00
Rye Middlings .....	.....	.....	6.00
Ground Barley .....	.....	.....	6.50
Ground Oats .....	.....	.....	12.00
2. Special Purpose Mixed Feeds:			
Dairy Feed	16.00	3.50	15.00
Horse and Mule Feed	9.00	2.50	15.00
Hog Feed (Growing)	16.00	3.50	7.00
Hog Feed (Fattening)	13.00	3.50	7.00
Laying Mash	18.00	3.50	8.00
Growing Mash	17.00	3.50	6.00
Starting Mash	15.00	3.50	5.00
Fattening Mash	13.00	4.00	6.00
Poultry Grains (Scratch)	9.00	3.00	5.00
Baby Chick Grains	9.00	2.50	3.50
All-Mash Laying Ration	15.00	4.00	7.00
All-Mash Poultry Ration	15.00	4.00	6.00
All-Mash Growing Ration	15.00	4.00	6.00
All-Mash Starting Ration	14.00	3.50	5.00

REGISTRATION REQUIREMENTS

3. General Requirements:

(a) In making registrations, care should be exercised to make the chemical guaranties reasonably close to the actual content of the feed. In other words, arbitrary guaranties will not be accepted.

(b) If a material change is made in the guaranty of a feed, in effect lowering the value of the feed, the name of the feed must be changed also.

(c) For oil-mill by-products and digester tankages, the percentage of protein must form part of the name. For example, 41% Cottonseed Meal, 34% Old Process Linseed Oil Meal, 60% Digester Tankage, etc.

(d) Oil-mill by-products containing hulls, screenings and similar materials, thus materially lowering the percentage of crude protein, cannot be called meals, but may be called meal and hulls, or meal and screenings, or feed, or by some proprietary name.

(e) Any feed containing less than 9% protein must be called by the name of its ingredients.

(f) In naming feeds, the terms "feed" and "ration" should be distinguished. A feed may or may not be a ration. A ration is a complete feed and does not require other feed to be fed in addition to it.

4. Essential Organic Ingredients:

A feeding stuff must not contain less than 3% of any essential organic food ingredient named in the guaranty. If an ingredient so listed is found to be less than 3%, the feed will be classed as misbranded.

5. Mineral Ingredients:

Mineral ingredients, generally regarded as dietary factors essential for the normal nutrition of animals, when added to a ration, must not exceed 3%.

6. Salt:

The amount of salt in all stock feeds, including poultry feeds, should not exceed 1%.

7. Screenings:

(a) Percentage of screenings in wheat feeds and statement whether ground or unground, must be given.

(b) When screenings are used in mixed or special-purpose feeds, the minimum amounts of protein and fat and the maximum amounts of fiber and ash for such screenings must be stated in the registration. Samples of such screenings may be required to be furnished on request by the Department. Percent of screenings must be stated.

(c) When screenings are made from the cleanings of grain from which all or any part of the immature, broken and light grains and other seeds of commercial value have been removed, the mixture must be called "screenings refuse" or "screenings waste."

8. Materials of Little or No Feeding Value:

(a) Percentage of material of little or no feeding value must be stated.

(b) When organic materials of little or no feeding value as concentrates are used in mixed or special-purpose feeds, the open formula must be given in the registration. The open formula will not be printed on the tag unless there is a good reason why it should. The Department reserves the right.

(c) The maximum amount of a material or materials of little or no feeding value as a concentrate, when used in mixed feeds, must not exceed 25% of the mixture.

9. False Registration and Cancellation:

Feeds improperly registered, adulterated or misbranded, will not only subject the offender to prosecution for such violation but the registration of such feeds may be canceled, as the case merits.

SUMMARY OF RESULTS OF INSPECTION AND ANALYSIS

Acme-Evans Co., Indianapolis, Ind. Inspection samples analyzed, 14.

Acme Middlings and Screenings, 2; equaled guaranty.

Acme Pure Bran, 2; 1 too low in protein.

Acme Feed, 3; equaled guaranty.

Producer All-Mash, 1; equaled guaranty.

Acme Horse and Mule Feed, 1; equaled guaranty.

Producer Dairy Feed, 3; 2 too low in protein and too high in fiber; 1 contained corn gluten feed tho not listed, no soybean oil meal present; 1 contained corn feed meal tho not listed; 1 excess of screenings present.

Acme Pailfill Dairy, 1; contained linseed oil meal tho not listed.

Acme Dairy Feed, 1; equaled guaranty.

The Acme Mills, Hopkinsville, Ky. Inspection samples analyzed, 16.

Pure Wheat Shorts, 2; 1 too low in protein.

"Kentucky's Choice" Wheat Mixed Feed and Screenings, 1; too low in protein.

Heavy Work Horse and Mule Feed, 1; equaled guaranty.

Supreme Dairy Feed, 10; 8 ingredients not as guaranteed, contained screenings, weed seeds and foreign fibrous material—adulterated and misbranded.

"Butternut" Dairy Feed, 2; too low in fat.

- Jas. H. Albro & Co., Caneyville, Ky. Inspection samples of Mixed Wheat Feed and Screenings analyzed, 2; too low in protein; 1 corn bran present.
- Alexander Milling Co., Hardinsburg, Ky. Inspection sample of Wheat Shorts analyzed, 1 equaled guaranty.
- Alfocorn Milling Co., St. Louis, Mo. Inspection samples analyzed, 10.
Alfocorn Chick Starter, 1; contained corn gluten feed tho not listed.
Alfocorn Hog Fatner, 2; equaled guaranty.
Alfocorn Horse Feed, 1; equaled guaranty.
"Mixolas Brand" Mixing Feed, 1; too high in fiber, excess of oat hulls present.
Full Pail Dairy Feed, 3; no corn feed meal present; 2 contained corn gluten meal tho not listed; 2 excess of cocoa shell meal present; 1 excess oat hull feed present, much too high in fiber.
Alfocorn Milk Maker 20%, 1; equaled guaranty.
Alfocorn Milk Maker 24%, 1; no bone meal present.
- E. T. Allen Co., Atlanta, Ga. Inspection samples of "Empire" 41% Protein Cottonseed Meal analyzed, 5; 3 too low in protein; 2 too high in fiber.
- The Allen & Wheeler Co., Troy, O. Inspection samples analyzed, 9.
Trojan Spring Middlings and Screenings, 3; 1 too high in fiber.
Trojan Hominy Feed, 1; sample not hominy feed—misbranded.
Plymouth Scratch Grains, 1; no sunflower seed present; only traces of oats, kaffir corn and buckwheat present; misbranded.
Trojan Egg Mash, 1; too low in protein.
Trojan Su-Kow Dairy Feed, 1; equaled guaranty.
Trojan Jersey Dairy Feed, 1; equaled guaranty.
Trojan I. X. L. Dairy Feed, 1; too low in protein.
- Allied Mills, Peoria, Ill. Inspection samples analyzed, 27.
Wheat Bran and Screenings, 1; equaled guaranty.
Wayne Egg Mash, 3; equaled guaranty.
Wayne All-Mash Grower, 1; equaled guaranty.
Wayne Turkey Mash, 2; 1 too high in fiber.
Emergency Hog Feed, 1; equaled guaranty.
Amco "Ideal Brand" Horse and Mule Feed, 1; equaled guaranty.
Sucrene Horse and Mule Feed, 1; excess of oat hull feed present.
Amco "Ideal Brand" 16% Dairy Feed, 3; equaled guaranty.
Wayne "Ideal Brand" 16% Dairy Ration, 3; 2 contained linseed oil meal tho not listed; 1 excess of screenings present.
Wayne 16½% Dairy Feed, 1; too low in protein and too high in fiber.

- Amco 16½% Sucrene Dairy Ration, 3; 2 excess of screenings present.
- Wayne 20% Sucrene Dairy Feed, 1; equaled guaranty.
- Wayne 24% Dairy Feed, 1; equaled guaranty.
- Amco 24% Dairy Ration, 5; equaled guaranty.
- All's Ginnery, Allendale, S. C. Inspection sample of Velvet Bean Feed analyzed, 1; equaled guaranty.
- Always-A-Head Mills, E. St. Louis, Ill. Inspection samples analyzed, 6.
- Do-Mor Scratch Feed, 1; no oats or buckwheat screenings present; contained rye tho not listed.
- Do-Mor Laying Mash, 1; equaled guaranty.
- Oat Hull Feed, Ground Grain Screenings, Cane Molasses, Alfalfa Meal, Linseed Meal, Peanut Meal, Brewers Grains and Wheat Bran, 1; too high in fiber; no peanut meal present; only traces of linseed meal, brewers grains and wheat bran present; misbranded.
- Do-Mor 16% Dairy Feed, 1; contained corn feed meal tho not listed; excess of oat hull feed present.
- Always-A-Head 24% Protein Dairy Feed, 2; too low in fat; contained ground oats tho not listed.
- Anderson & Spilman, Danville, Ky. Inspection samples analyzed, 6.
- Anderson & Spilman Snow Flake Feed, 2; too high in fiber; 1 no barley present.
- Stock Feed, 2; too low in protein.
- "Milk Maker" Dairy Feed, 2; equaled guaranty.
- The Ansted & Burk Co., Springfield, O. Inspection samples analyzed, 3.
- "William Tell" Middlings and Screenings, 1; too low in protein.
- "William Tell" Mixed Wheat Feed and Screenings, 2; 1 too low in protein.
- Arcady Farms Milling Co., Chicago, Ill. Inspection samples analyzed, 10.
- Wonderfat Station Feed, 1; equaled guaranty.
- Wonderfat Shipping Feed, 1; equaled guaranty.
- Arcady Besbet Laying Mash, 1; too low in protein.
- Arcady Dairy Feed, 2; 1 no alfalfa meal present, contained brewers dried grains and oat hull feed tho not listed, excess of screenings present—adulterated and misbranded.
- Provo 16% Dairy Feed, 1; only trace of wheat middlings present.
- Peerless Milk Ration, 1; too high in fiber; no linseed meal present; contained oat hull feed and calcium carbonate tho not listed; excess screenings present; adulterated and misbranded.
- Arco 24% Dairy Ration, 1; contained foreign fibrous material; misbranded.

- Wonder Dairy Ration, 2; 1 contained brewers dried grains tho not listed; 1 contained screenings tho not listed.
- Armour & Co., Chicago, Ill. Inspection sample of Armour's 60% Meat Meal Digester Tankage analyzed, 1; equaled guaranty.
- L. B. Arney, Ottawa, Ky. Inspection sample of Mixed Wheat Feed analyzed, 1; equaled guaranty.
- Ashcraft-Wilkinson Co., Atlanta, Ga. Inspection samples of "Helmet Brand" 41% Cottonseed Meal analyzed, 8; 6 too low in protein; 2 too high in fiber.
- C. T. Ashley Co., Nicholasville, Ky. Inspection samples analyzed, 4.
Blue Grass Feed, 1; too low in protein and fat; contained ground wheat tho not listed; no wheat bran, cottonseed meal or salt present; misbranded.
Red Raven Scratch, 1; too low in fat; no oats or sunflower seed present.
Red Raven Egg Mash, 1; too low in protein.
Red Raven Dairy Feed, 1; too high in fiber; no corn gluten feed present.
- The Great Atlantic & Pacific Tea Co., New York, N. Y. Inspection samples analyzed, 3.
Daily Egg Scratch Feed, 2; only a trace of oats present.
Special Daily Egg Mash Feed, 1; equaled guaranty.
- Aubrey & Co., Louisville, Ky. Inspection samples analyzed, 26.
Pure Soft Wheat Mixed Feed, 1; equaled guaranty.
Blackhawk Mixed Wheat Feed and Screenings, 1; equaled guaranty.
Blackhawk Feed and Screenings, 2; equaled guaranty.
Red "A" Wheat Feed and Screenings, 3; equaled guaranty.
Rye Feed and Screenings, 1; equaled guaranty.
Rainbow Feed, 1; equaled guaranty.
Hominy Feed, 2; equaled guaranty.
Rice Bran, 1; too high in fiber.
Red "A" 50% Meat Scraps, 1; equaled guaranty.
Aubrey's 41% Cottonseed Meal, 1; too low in protein and fat.
Red "A" Poultry Feed, 1; too low in fat; no kaffir corn or milo maize present.
Supreme Laying Mash, 2; 1 too high in fiber.
Dandy Horse Feed, 1; adulterated with flax plant byproduct; misbranded.
Monarch 16½% Protein Dairy Feed, 5; 1 too low in protein; 2 too high in fiber; 1 contained rice product tho not listed.
Dandy 20% Protein Dairy Feed, 1; equaled guaranty.
Supreme 24% Dairy Feed, 1; equaled guaranty.
Ful-O-Cream 24% Dairy Feed, 1; no rice bran present.

- Auburn Mills, Auburn, Ky. Inspection samples analyzed, 2.
Wheat Shorts, 1; too low in protein and fat.
Mill Run Feed, 1; too low in protein; excess corn bran present.
- Auburn Roller Mills, Auburn, Ky. Inspection samples of Mixed Feed analyzed, 2; too low in protein.
- Aviston Milling Co., E. St. Louis, Ill. Inspection samples analyzed, 2.
Results Gray Wheat Shorts and Screenings, 1; equaled guaranty.
Results Bulky Sweet Feed, 1; adulterated with excess screenings and weed seeds; misbranded.
- J. J. Badenoch Co., Chicago, Ill. Inspection samples analyzed, 5.
Circle Bee Sheep Feed, 1; equaled guaranty.
Sweet Honey Bee Dairy Feed, 2; equaled guaranty.
Special Milky Way Dairy Feed, 1; only trace of linseed meal present; contained whole weed seeds.
Circle Bee Dairy Feed, 1; equaled guaranty.
- Ballard & Ballard Co., Louisville, Ky. Inspection samples analyzed, 12.
Ballard's Kentucky Farm Feed and Screenings, 1; equaled guaranty.
Ballard's Mixed Wheat Feed and Screenings, 1; equaled guaranty.
Ballard's Bran, 2; equaled guaranty.
Ballard's Insurance Laying Mash (With Cod Liver Oil), 2; 1 contained corn gluten feed tho not listed; 1 contained linseed oil meal tho not listed.
Insurance Battery Ration, 1; equaled guaranty.
Insurance Turkey Ration, 1; equaled guaranty.
Insurance Rabbit Ration, 1; equaled guaranty.
Guardian 16% Sweet Dairy Feed, 2; 1 too low in fat.
Insurance 24% Sweet Dairy Feed, 1; equaled guaranty.
- Eardstown Mills, Bardstown, Ky. Inspection sample of Royal Mill Feed analyzed, 1; equaled guaranty.
- Baskett Grain Co., Henderson, Ky. Inspection sample of Baskett Egg Mash analyzed, 1; equaled guaranty.
- Battle Creek Dog Food Co., Battle Creek, Mich. Inspection sample of Miller's A-1 Ration analyzed, 1; equaled guaranty.
- Baughman Milling Co., Stanford, Ky. Inspection sample of Banner Mill Feed analyzed, 1; equaled guaranty.
- Beaty Bros., Science Hill, Ky. Inspection sample of Mixed Wheat Feed and Screenings analyzed, 1; equaled guaranty.
- Bennett-Tyner Grain Co., Nashville, Tenn. Inspection sample of Moon-Beam Dairy Feed analyzed, 1; no linseed oil meal present; only traces of wheat bran and corn feed meal present; contained peanut oil meal tho not listed; contained a large amount of screenings refuse, weed seeds, hulls, etc.; adulterated and misbranded.

- Bernet, Craft & Kauffman Milling Co., Mt. Carmel, Ill. Inspection sample of "Ideal Brand" Pure Wheat Bran analyzed, 1; equaled guaranty.
- Big Diamond Mills Co., Minneapolis, Minn. Inspection sample of Big Diamond Wheat Middlings and Screenings analyzed, 1; equaled guaranty.
- Bisbee Linseed Co., Chicago Hts., Ill. Inspection samples of Bisbee Brand 34% Pure Old Process Linseed Meal analyzed, 2; equaled guaranty.
- Bishop & Bishop, Providence, Ky. Inspection sample of Mixed Feed analyzed, 1; too high in fiber.
- The Blanton Co., St. Louis, Mo. Inspection sample of "Blanco Brand" 41% Cottonseed Meal analyzed, 1; equaled guaranty.
- Elish Milling Co., Seymour, Ind. Inspection samples analyzed, 3.
Woodstock Shorts, 1; too low in protein and fat.
Bull's Eye Mixed Wheat Feed, 2; 1 too low in protein.
- Bloomfield Mill & Grain Co., Bloomfield, Ky. Inspection sample of Mixed Wheat Feed and Screenings analyzed, 1; corn bran present.
- Blue Grass-Elmendorf Grain Corporation, Lexington, Ky. Inspection samples analyzed, 3.
"Blue-Elm" Peerless Cow Feed, 1; too low in fat.
"Tucky" 24% Dairy Feed, 2; equaled guaranty.
- The Bowen Flour Mills Co., Independence, Kan. Inspection sample of Wheat Gray Shorts analyzed, 1; equaled guaranty.
- Broadway Roller Mills, Bowling Green, Ky. Inspection sample of Mixed Feed analyzed, 1; equaled guaranty.
- F. W. Brode Corporation, Memphis, Tenn. Inspection samples analyzed, 9.
Owl Brand 41% Prime Cottonseed Meal, 8; 3 too low in protein; 1 too high in fiber.
Owl Brand 36% Cottonseed Feed, 1; equaled guaranty.
- Chas. Broeker & Co., Owensboro, Ky. Inspection samples analyzed, 2.
Hominy Feed, 1; equaled guaranty.
XX Mixed Feed, 1; too low in fat.
- Browder Milling Co., Fulton, Ky. Inspection samples analyzed, 5.
Mixed Feed, 1; equaled guaranty.
"Plumfat" Feed, 1; equaled guaranty.
Favorite Dairy Feed, 1; too low in protein.
Sweet Dairy Feed, 2; equaled guaranty.
- The Buckeye Cotton Oil Co., Louisville, Ky. Inspection samples of Buckeye 41% Prime Cottonseed Meal analyzed, 3; too high in fiber; 2 too low in protein and fat.
- Buffalo Roller Mills, Buffalo, Ky. Inspection samples analyzed, 5.
Keith's Wheat Mixed Feed and Screenings, 3; 1 too low in protein.

Buffalo Feed, 2; equaled guaranty.

Burnside Roller Mills, Burnside, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein; contained wheat middlings tho not listed.

Cadick Milling Co., Grandview, Ind. Inspection samples analyzed, 2. Shipstuff, 1; too low in protein.

Mixed Wheat Feed, 1; equaled guaranty.

Cadiz Milling Co., Cadiz, Ky. Inspection samples of Sunbeam Mixed Wheat Feed and Screenings analyzed, 3; too low in protein.

Campbellsville Hatchery, Campbellsville, Ky. Inspection sample of Wheat Shorts and Screenings analyzed, 1; too low in protein.

Capital Flour Mills, Minneapolis, Minn. Inspection samples analyzed, 3.

Cherokee Wheat Middlings and Screenings, 2; equaled guaranty.

St. Paul Queen Wheat Mixed Feed and Screenings, 1; equaled guaranty.

Carlisle Mill & Supply Co., Carlisle, Ky. Inspection sample of "Our Own Make" Sheep Feed analyzed, 1; equaled guaranty.

The Carr Milling Co., Hamilton, O. Inspection samples analyzed, 2. "Bon Ton" Middlings, 1; much too low in protein.

"Bon Ton" Mixed Wheat Feed, 1; equaled guaranty.

Cecilian Milling Co., Cecilia, Ky. Inspection samples analyzed, 7.

Gray Wheat Shorts, 2; equaled guaranty.

"Purity Brand" Mixed Feed and Screenings, 4; 1 contained corn feed meal tho not listed.

Clifton Horse and Mule Feed, 1; equaled guaranty.

Charleston Milling & Produce Co., Charleston, W. Va. Inspection samples analyzed, 2.

Wheat Middlings and Screenings, 1; equaled guaranty.

Standard Mixed Feed, 1; no corn product present.

Cherokee Mills, Nashville, Tenn. Inspection sample of Tip Top Mixed Feed analyzed, 1; too low in protein; no corn gluten feed present; contained wheat middlings tho not listed.

B. C. Christopher & Co., Kansas City, Mo. Inspection samples analyzed, 2.

Wheat Gray Shorts and Screenings, 1; equaled guaranty.

Wheat Mixed Feed and Screenings, 1; equaled guaranty.

Cincinnati Grain & Hay Co., Cincinnati, O. Inspection samples analyzed, 7.

Corn Feed Meal, 1; too low in protein and too high in fiber.

Hominy Feed, 1; equaled guaranty.

60% Tankage, 1; equaled guaranty.

Dried Brewers Grains, 1; equaled guaranty.

- Standard Brand Dairy Sweets, 2; too low in fat; 1 too low in protein, contained corn gluten feed and ground corn tho not listed, no salt present.
- "No Better" Sweet Dairy Feed, 1; no oil meal or salt present.
- City Milling Co., Rineyville, Ky. Inspection sample of Mixed Wheat Feed analyzed, 1; too low in protein; contained corn product; no calcium carbonate or salt present; misbranded.
- Climax Roller Mills, Shelbyville, Ky. Inspection samples analyzed, 2. Climax Shorts, 1; too low in protein.
- Climax Farm Feed, 1; equaled guaranty.
- Clinton Hatchery, Clinton, Ky. Inspection sample of Milk Flow Dairy Feed analyzed, 1; equaled guaranty.
- Clell Coleman & Sons, Burgin, Ky. Inspection samples analyzed, 6. Coleman's White Middlings and Shorts, 1; too low in protein.
- Coleman's Mixed Feed, 5; equaled guaranty.
- Columbia Milling Co., Columbia, Ky. Inspection sample of Mixed Wheat Feed analyzed, 1; equaled guaranty.
- The G. E. Conkey Co., Cleveland, O. Inspection sample of Conkey's Gecco Egg Mash analyzed, 1; contained linseed oil meal tho not listed; only trace of alfalfa meal present.
- Consolidated Flour Mills Co., Wichita, Kans. Inspection sample of Wheat Shorts and Screenings analyzed, 1; equaled guaranty.
- The Corno Mills Co., E. St. Louis, Ill. Inspection samples analyzed, 8. Gray Wheat Middlings and Screenings, 1; equaled guaranty.
- Corno Premium Feed, 1; equaled guaranty.
- Nutro Dairy Feed, 2; 1 excess of fillers present.
- Corno Straight Dairy 20%, 1; equaled guaranty.
- Corno Dairy Feed, 3; equaled guaranty.
- Crenshaw Oil Co., Crenshaw, Miss. Inspection samples of "Wylodine Brand" 41% Prime Cottonseed Meal analyzed, 2; 1 too low in protein.
- Crescent Roller Mills Co., Taylorsville, Ky. Inspection samples analyzed, 3.
- White Wheat Shorts, 1; too high in fiber; contained corn bran.
- Crescent Mixed Feed, 2; 1 no corn bran present.
- The Crete Mills, Crete, Nebr. Inspection sample of Gray Shorts analyzed, 1; equaled guaranty.
- Crofton Milling Co., Crofton, Ky. Inspection sample of Richfeed analyzed, 1; equaled guaranty.
- Dairyman's Feed & Supply Co., Mayfield, Ky. Inspection sample of Mixed Wheat Feed analyzed, 1; equaled guaranty.
- Dan Joseph Co., Columbus, Ga. Inspection sample of "Pinta" Columbus Brand 41% Cottonseed Meal analyzed, 1; too high in fiber.
- The C. E. DePuy Co., Pontiac, Mich. Inspection samples analyzed, 2. Pontiac 16% Sweet Dairy Feed, 1; equaled guaranty.

- Pontiac 24% Sweet Dairy Feed, 1; no linseed oil meal present.
- Dixie Mills Co., E. St. Louis, Ill. Inspection samples analyzed, 2.
- Dixie Laying Mash, 1; equaled guaranty.
- Dixie 24% Cow Feed, 1; equaled guaranty.
- Dreyer Commission Co., St. Louis, Mo. Inspection sample of Dryco Mixed Wheat Feed and Screenings analyzed, 1; equaled guaranty.
- The Dunlop Milling Co., Clarksville, Tenn. Inspection sample of Dunlop's "Perfect Brand" Dairy Feed analyzed, 1; too low in protein and too high in fiber; contained rice bran, ground kaffir, corn feed meal and ground wheat tho not listed; adulterated and misbranded.
- Eagle Roller Mills, Lawrenceburg, Ky. Inspection samples analyzed 2.
- Mixed Feed, 1; equaled guaranty.
- 17% Dairy Feed, 1; too high in fiber; contained brewers dried grains tho not listed.
- The Early & Daniel Co., Cincinnati, O. Inspection samples analyzed, 40.
- Wheat Middlings and Screenings, 1; too high in fiber; ground weed seeds present.
- Mixed Wheat Feed and Screenings, 2; equaled guaranty.
- Crushed Wheat, 1; equaled guaranty.
- Tuxedo 41% Soybean Oil Meal, 1; equaled guaranty.
- Tuxedo All-Mash, 1; contained soybean oil meal tho not listed.
- Tuxedo Egg Mash, 4; 3 no linseed oil meal present.
- Tuxedo Fiddlers Mash, 2; equaled guaranty.
- Tuxedo Chop, 1; equaled guaranty.
- Miami Sweet Feed, 1; equaled guaranty.
- Tuxedo Golden Stock Feed, 1; equaled guaranty.
- Tuxedo Sheep Feed, 1; equaled guaranty.
- Tuxedo Hog Ration, 1; no linseed oil meal present.
- Tuxedo Emergency Hog Feed, 1; equaled guaranty.
- Tuxedo Roughage Feed, 1; equaled guaranty.
- Tuxedo Dairy 16%, 8; 1 too low in protein.
- Cerealia Sweets, 3; 1 no linseed oil meal present.
- Tuxedo Dairy 20%, 3; 1 no linseed oil meal present.
- Tuxedo Dairy 24%, 7; 3 no linseed oil meal present.
- Eaton Flour Mills, Eaton, Colo. Inspection sample of Wheat Mixed Feed and Screenings analyzed, 1; equaled guaranty.
- Eberts Grain Co., Louisville, Ky. Inspection sample of "All-In-One Brand" Hog Feed analyzed, 1; only trace of wheat byproducts present.
- Elite Roller Mills, Elkton, Ky. Inspection sample of "Cream Brand" Dairy Feed analyzed, 1; too low in protein; no alfalfa meal or crushed oats present.

- Elizabethtown Milling Co., Elizabethtown, Ky. Inspection sample of Dixie Home Dairy Feed analyzed, 1; no brewers dried grains present.
- Elkhorn Roller Mills, Elkhorn, Ky. Inspection sample of Pure Ship-stuff analyzed, 1; equaled guaranty.
- The F. L. Emmert Co., Cincinnati, O. Inspection samples of "Buffalo Brand" Dried Brewers Grains analyzed, 3; equaled guaranty.
- John W. Eshelman & Sons, Lancaster, Pa. Inspection samples analyzed, 3.
Eshelman "Pennsy" Laying Mash, 1; equaled guaranty.
Eshelman "Red Rose" Laying Mash, 1; equaled guaranty.
Eshelman "Red Rose" 24% Dairy Feed, 1; equaled guaranty.
- E-town Feed & Coal Co., Elizabethtown, Ky. Inspection samples of Wheat Mixed Feed and Screenings analyzed, 2; 1 too low in protein; 1 contained corn feed meal.
- D. H. Ewing's Sons, Louisville, Ky. Inspection samples analyzed, 2.
Ewing's Dried Skimmed Milk, 1; too low in fat.
Ewing's Dried Buttermilk, 1; too low in protein.
- Excelsior Milling Co., Minneapolis, Minn. Inspection samples analyzed, 7.
Jumbo Red Dog, 1; equaled guaranty.
Zebra Special Middlings, 2; equaled guaranty.
Camel Wheat Mixed Feed, 4; equaled guaranty.
- Exchange Milling Co., Sturgis, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in fat; contained wheat middlings tho not listed.
- Falls City Feed Mills, Louisville, Ky. Inspection samples analyzed, 4.
Alfalfa Meal, Cane Molasses, Oat Hull Feed and Flax Plant By-product, 1; equaled guaranty.
Shur-Pleez 16½% Dairy Feed, 2; equaled guaranty.
Falls City 24% Dairy Feed, 1; much too low in protein.
- Farm Bureau Supply Co., Elizabethtown, Ky. Inspection sample of Camel Wheat Mixed Feed analyzed, 1; equaled guaranty.
- Farmers Cooperative Elevator Co., Seymour, Ind. Inspection sample of Farmer's Pride Scratch Feed analyzed, 1; no sunflower seed present; only trace of barley present; contained kaffir corn tho not listed; misbranded.
- The Farmers Mill, Clay, Ky. Inspection sample of Mixed Feed analyzed, 1; equaled guaranty.
- Farmers & Merchants Milling Co., Brooksville, Ky. Inspection sample of Mixed Wheat Feed analyzed, 1; equaled guaranty.
- Farmers Supply Co., Lexington, Ky. Inspection samples analyzed, 17.
Farmo Laying Mash, 2; 1 too low in protein.
Farmo Horse and Mule Feed, 1; equaled guaranty.
Farmo Hog Feed, 1; equaled guaranty.

Farmo Sheep Feed, 1; too low in protein.

Trico Dairy Feed, 4; 1 too low in protein; 1 too high in fiber.

Red Daimond Dairy Feed, 2; equaled guaranty.

Red Plume 24% Dairy Feed, 1; equaled guaranty.

Farmo 24% Dairy Feed, 5; 2 too low in protein; 1 contained brewers dried grains tho not listed.

Farmers Union Mill, Versailles, Ky. Inspection samples analyzed, 7.

Mill Feed, 3; too low in protein; excess of corn bran present.

Cracked Corn and Wheat, 1; too low in protein.

Sheep Feed, 1; equaled guaranty.

20% Dairy Feed, 2; 1 too low in protein.

J. H. Fedders & Sons, Covington, Ky. Inspection samples analyzed, 2.

Gray Wheat Middlings, 1; equaled guaranty.

Hominy Feed, 1; equaled guaranty.

Ferncliff Feed & Grain Co., Louisville, Ky. Inspection samples analyzed 15.

P. D. Q. Mill Feed, 4; equaled guaranty.

P. D. Q. Baby Chick Feed, 1; equaled guaranty.

"Cracker Jack" Egg Mash (With Cod Liver Oil Meal), 2; equaled guaranty.

P. D. Q. Egg Mash (With Cod Liver Oil Meal), 1; equaled guaranty.

"Cracker Jack" Special Feed, 1; no wheat bran present.

Sweet Sixteen Dairy Feed, 2; too low in protein; 1 too low in fat.

Butternut Dairy Feed, 1; contained wheat middlings tho not listed.

"Cracker Jack" 21% Dairy Ration, 1; equaled guaranty.

"Cracker Jack" 24% Sweet Dairy Ration, 2; equaled guaranty.

Henry Fischer Packing Co., Louisville, Ky. Inspection samples of "Delmont Brand" 55% Digester Tankage analyzed, 2; 1 too high in fiber.

Flaherty Roller Mills, Vine Grove, Ky. Inspection sample of Wheat Bran and Shorts analyzed, 1; too low in protein.

Galesburg Molasses Feed Co., Galesburg, Ill. Inspection sample of Gamo Horse Feed analyzed, 1; too low in protein.

Garland Milling Co., Greensburg, Ind. Inspection sample of Garland Mixed Wheat Feed and Screenings analyzed, 1; equaled guaranty.

Garrard Mills, Lancaster, Ky. Inspection samples analyzed, 5.

Glen Lily Mixed Feed, 4; 1 sorghum seed present.

Garrard Mixed Feed, 1; too low in protein; contained corn feed meal tho not listed.

General Mills, Minneapolis, Minn. Inspection samples analyzed, 2.

Washburn's Gold Medal Wheat Gray Shorts and Screenings, 1; equaled guaranty.

Pittsburgh Brand Feed and Screenings, 1; equaled guaranty.

- Georgia Distributing Co., Atlanta, Ga. Inspection samples of "Gold Dust Brand" 41% Protein Cottonseed Meal analyzed, 2; 1 too low in protein.
- Germantown Milling Co., Germantown, Ky. Inspection samples of Mixed Wheat Feed analyzed, 2; 1 too low in protein.
- Glass Milling Co., Wilmore, Ky. Inspection samples of Hi-Grade Feed analyzed, 3; equaled guaranty.
- Globe Milling Co., Watertown, Wis. Inspection sample of Globe Rye Middlings analyzed, 1; equaled guaranty.
- Edw. F. Goeke Sons, Evansville, Ind. Inspection samples analyzed, 8.
Big Gee Wheat Shorts and Screenings, 1; equaled guaranty.
Big Gee Chick Feed, 1; equaled guaranty.
A-1 All Mash, 1; equaled guaranty.
Standard Horse and Mule Feed, 1; too low in protein; contained alfalfa meal tho not listed.
Standard Dairy Ration, 2; excess of fillers present; 1 too low in protein; 1 too low in fat and too high in fiber.
Big Gee Dairy Ration, 2; 1 too low in protein; 1 contained salt tho not listed.
- Goff Milling Co., Hiseville, Ky. Inspection sample of Mixed Wheat Feed and Screenings analyzed, 1; too low in protein.
- Goldcamp Mill Co., Ironton, O. Inspection sample of "My Lassie" Dairy Feed analyzed, 1; no linseed meal present; adulterated with excess grain screenings; misbranded.
- Goodrich Bros. Co., Winchester, Ind. Inspection samples of "Good-Rich Special" Feed analyzed, 2; equaled guaranty.
- Gradyville Roller Mills, Gradyville, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein; contained wheat flour.
- Green Bros., Falls of Rough, Ky. Inspection sample of Mixed Feed analyzed 1; too low in protein.
- Gwinn Bros. & Co., Huntington, W. Va. Inspection samples analyzed, 13.
Standard Feed, 1; weed seeds present.
Fancy White Wheat Feed and Screenings, 1; equaled guaranty.
Fancy White Wheat and Rye Middlings and Screenings, 4; 1 corn bran present.
Mixed Feed and Screenings, 1; excess of corn bran present.
Farm Feed, 1; excess of corn bran present.
Corn Feed Meal, 1; too low in fat.
Early Lay Egg Mash, 1; equaled guaranty.
Gwinn's 16% Dairy Feed, 1; excess of corn bran present.
Make-Milk Dairy Feed, 2; no clipped oat byproduct present.
- Gwinn Milling Co., Columbus, O. Inspection samples analyzed, 9.
Gwinn Middlings and Screenings, 3; adulterated with rye middlings and corn bran; misbranded; 1 too low in protein.

- Gwinn's Mixed Feed, 5; 1 too low in protein and fat; 2 contained wheat bran tho not listed; 1 excess of screenings present; 1 ground weed seeds present.
- Gwinn's Egg Mash, 1; no alfalfa meal present.
- Hales & Hunter Co., Chicago, Ill. Inspection samples analyzed, 11.
- Red Comb Egg Mash, 1; equaled guaranty.
- Red Comb Growing Mash, 1; equaled guaranty.
- Red Comb Crate Fattener, 1; equaled guaranty.
- Pioneer Hog Feed, 1; contained corn gluten feed tho not listed.
- Gold Flake Dairy Feed, 4; 1 too high in fiber.
- Red Horn 20% Dairy Feed, 1; contained brewers dried grains tho not listed.
- Red Horn 24% Dairy Feed, 2; contained brewer's dried grains tho not listed; 1 no corn feed meal or soybean meal present, misbranded.
- Hall Milling Co., St. Louis, Mo. Inspection samples analyzed, 3.
- Palace Pure Wheat Bran, 1; equaled guaranty.
- Rex Wheat Mixed Feed and Screenings, 2; equaled guaranty.
- Hanson Roller Mills, Hanson, Ky. Inspection sample of H. R. M. Feed analyzed, 1; equaled guaranty.
- R. L. Harrison & Son, Bagdad, Ky. Inspection samples analyzed, 3.
- Empress Feed, 2; equaled guaranty.
- Harrison's "A" 24% Dairy Feed, 1; equaled guaranty.
- The P. H. Harsha Milling Co., Portsmouth, O. Inspection samples analyzed, 2.
- Harsha Middlings and Screenings, 1; too low in protein.
- Jersey Dairy Feed, 1; too low in protein; no clipped oat by-product or salt present; contained wheat bran and corn product tho not listed; excess weed seeds present; misbranded.
- Haydon Mill & Grain Co., Springfield, Ky. Inspection samples of Economy Feed analyzed, 4; 3 too low in protein.
- C. E. Haynes Milling Co., Waverly, O. Inspection sample of Corn Feed Meal analyzed, 1; equaled guaranty.
- R. L. Heflin, Cairo, Ill. Inspection samples of Heflin 41% Protein Cottonseed Meal analyzed, 2; too low in protein.
- The Dr. Heinz Co., Cincinnati, O. Inspection sample of Heinz Sheep Mineral analyzed, 1; equaled guaranty.
- Henderson Elevator Co., Henderson, Ky. Inspection sample of Bullitt's Special Dairy Feed analyzed, 1; equaled guaranty.
- The Hermitage Mills, Nashville, Tennessee. Inspection samples analyzed, 10.
- Busy Bee Scratch, 2; 1 only trace of oats present.
- Mak'Em Start Mash, 2; too high in fiber; no linseed meal present; contained cocoanut meal tho not listed; alfalfa meal sub-

stituted for alfalfa leaf meal; 1 no corn gluten feed present, contained salt tho not listed; 1 contained peanut oil meal tho not listed, ground oats substituted for oat groats; misbranded.

Cream Maker Dairy Feed, 5; ingredients not as guaranteed; contained screenings refuse, hulls, weed seeds and highly fibrous foreign material; adulterated and misbranded.

Champion Dairy Feed, 1; ingredients not as guaranteed; contained screenings refuse, hulls, weed seeds and highly fibrous foreign material; adulterated and misbranded.

W. E. Hess & Co., Louisville, Ky. Inspection sample of Golden Egg Mash analyzed, 1; much too low in protein.

Hodgenville Roller Mills, Hodgenville, Ky. Inspection samples of Lincoln analyzed, 3; equaled guaranty.

Home Milling Co., Greenville, Ky. Inspection sample of "Happy Home" Mixed Feed analyzed, 1; equaled guaranty.

Hook Milling Co., Hardinsburg, Ky. Inspection samples analyzed, 3. White Swan Gray Shorts, 1; too low in protein and too high in fiber.

White Swan Mixed Wheat Feed, 2; equaled guaranty.

Hopkinsville Milling Co., Hopkinsville, Ky. Inspection samples of Sunflower Wheat Shorts and Screenings analyzed, 2; 1 too low in protein; 1 too high in fiber.

Horse Cave Mills, Horse Cave, Ky. Inspection sample of Superior Mixed Feed analyzed, 1; too low in protein.

Hoyland Flour Mills Co., Kansas City, Mo. Inspection sample of Wheat Gray Shorts and Screenings analyzed, 1; too low in protein and too high in fiber.

Humphreys-Godwin Co., Memphis, Tenn. Inspection samples analyzed, 4.

"Dixie Brand" 41% Cottonseed Meal, 3; 2 too low in protein.

"Bull Brand" 43% Cottonseed Meal, 1; too low in protein.

Igleheart Bros., Evansville, Ind. Inspection samples analyzed, 3.

Winter Wheat Shorts and Screenings, 2; too low in protein.

Wheat Mixed Feed and Screenings, 1; too low in protein.

Illinois Linseed Meal Co., Chicago Hts., Ill. Inspection sample of "Illinois Brand" Linseed Meal and Screenings Oil Feed analyzed, 1; equaled guaranty.

J. F. Imbs Milling Co., Belleville, Ill. Inspection sample of "Charm" Pure Wheat Mixed Feed analyzed, 1; equaled guaranty.

International Sugar Feed Co., Memphis, Tenn. Inspection samples analyzed, 4.

International Old Trusty Horse and Mule Feed, 1; equaled guaranty.

International "Special Brand" Dairy Feed, 1; contained rice bran tho not listed.

International Butterfly Dairy Feed, 1; contained rice bran tho not listed.

International Milk Made Dairy Feed, 1; equaled guaranty.

International Vegetable Oil Co., Memphis, Tenn. Inspection sample of 41% Protein Cottonseed Meal analyzed, 1; equaled guaranty.

Jellico Grocery Co., Corbin, Ky. Inspection sample of Daisy Soft Wheat Middlings and Screenings analyzed, 1; too low in protein.

Jewell & Davis, Louisville, Ky. Inspection sample of Jewell's Hominy Feed analyzed, 1; equaled guaranty.

Joslin-Schmidt Corporation, Cincinnati, O. Inspection samples of Abattoir Brand 60% Digester Tankage analyzed, 2; equaled guaranty.

The E. Kahn's Sons Co., Cincinnati, O. Inspection sample of Kahn's Diamond K 60% Digester Tankage analyzed, 1; too low in protein and too high in fiber.

Keister Milling Co., Huntington, W. Va. Inspection sample of Standard Feed analyzed, 1; contained rye middlings tho not listed.

Kentucky Chemical & Manufacturing Co., Covington, Ky. Inspection sample of K-C Brand 60% Digester Tankage analyzed, 1; equaled guaranty.

Kentucky Feed Mills, Louisville, Ky. Inspection samples analyzed, 54. Success Wheat Bran and Screenings, 1; equaled guaranty.

Dandy Wheat Feed and Screenings, 5; 1 too low in protein.

Corn Feed Meal, 2; equaled guaranty.

Sedan Scratch Feed, 3; 2 only trace of oats present.

Premo Chick Starter, 1; equaled guaranty.

Premo Poultry Fattener, 1; equaled guaranty.

Kentucky Star Laying Mash, 1; equaled guaranty.

Premo Laying Mash, 4; 2 too low in protein; 1 too low in fat.

Premo Growing Mash, 1; equaled guaranty.

Sedan Horse Feed, 1; too low in protein.

Success Horse and Mule Feed, 1; equaled guaranty.

Kentucky Star Horse and Mule Feed, 3; 1 too low in protein.

Premo Hog Feed, 2; equaled guaranty.

Marshall's Sheep Feed, 2; equaled guaranty.

Sedan 16% Sweet Mixing Feed, 3; 1 too low in protein, no wheat middlings present.

Oat Hulls and Cane Molasses, 2; equaled guaranty.

Alfalfa Meal, Cane Molasses, Oat Hull Feed and Flax Plant By-product, 1; equaled guaranty.

Sedan 16% Dairy Feed, 1; contained soybean oil meal tho not listed.

- Kentucky Star Dairy Feed, 8; 2 too low in protein; 2 too high in fiber.
- Premo Dairy Feed, 2; equaled guaranty.
- Urma 24% Dairy Feed, 1; equaled guaranty.
- Success 24% Dairy Feed, 3; equaled guaranty.
- Marshall's 24% Dairy Feed, 4; 1 too low in protein.
- Premo 34% Dairy Supplement, 1; equaled guaranty.
- R. U. Kevil & Sons, Princeton, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein; contained wheat middlings, corn feed meal and salt tho not listed.
- King Midas Mill Co., Minneapolis, Minnesota. Inspection samples analyzed, 2.
- Snowball Flour Middlings and Screenings, 1; too high in fiber.
- Standard Feed and Screenings, 1; excess of wheat bran present.
- Chas. A. Krause Milling Co., Milwaukee, Wis. Inspection samples analyzed, 4.
- Badger 16% Sweet Dairy Feed, 3; 1 too low in protein.
- Amerikorn 24% Dairy Ration, 1; equaled guaranty.
- The Kroger Grocery & Baking Co., Cincinnati, O. Inspection sample of Kroger's Special Scratch Feed analyzed, 1; equaled guaranty.
- Lake County Oil Mill, Tiptonville, Tenn. Inspection sample of 41% Cottonseed Meal analyzed, 1; too low in protein.
- Lancaster Milling Co., Lancaster, Ky. Inspection sample of "Lamico" Mixed Feed analyzed, 2; 1 no ground barley or oats present.
- The Larabee Flour Mills Co., Kansas City, Mo. Inspection samples analyzed, 4.
- Winter Wheat Bran and Screenings, 1; equaled guaranty.
- Winter Wheat Gray Shorts and Screenings, 1; equaled guaranty.
- Winter Wheat Mixed Feed and Screenings, 2; equaled guaranty.
- Larrowe Milling Co., Detroit, Mich. Inspection samples analyzed, 6.
- Dried Beet Pulp, 1; equaled guaranty.
- Larro Broiler Feed, 1; equaled guaranty.
- Larro, The Ready Ration for Dairy Cows, 4; equaled guaranty.
- Laswell Milling Co., Brodhead, Ky. Inspection sample of Mixed Wheat Feed analyzed, 1; equaled guaranty.
- Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Inspection samples analyzed, 5.
- "Farm King" Bran and Screenings, 1; equaled guaranty.
- "Farm King" Gray Shorts and Screenings, 2; equaled guaranty.
- Snowflake Middlings and Screenings, 1; equaled guaranty.
- "Farm King" Fancy Mixed Wheat Feed and Screenings, 1; equaled guaranty.
- Lewisport Mill Co., Lewisport, Ky. Inspection samples analyzed, 2.
- Farmer's Choice, 1; equaled guaranty.
- Imperial Scratch Feed, 1; too low in fat.

Lexington Roller Mills Co., Lexington, Ky. Inspection samples analyzed, 9.

Thoroughbred Feed, 5; 1 too low in protein; 1 contained corn bran tho not listed.

Thoroughbred Chicken Feed, 1; too low in fat.

Kentucky Queen Dairy Feed, 1; equaled guaranty.

Thoroughbred Cow Feed, 2; equaled guaranty.

Loretto Mill Co., Loretto, Ky. Inspection sample of Shipstuff analyzed, 1; equaled guaranty.

The Loudonville Milling Co., Loudonville, O. Inspection samples analyzed, 2.

Spring Wheat Middlings, 1; equaled guaranty.

Soft Winter Wheat Middlings and Screenings, 1; equaled guaranty.

Louisa Supply Co., Louisa, Ky. Inspection samples analyzed, 3.

"R. W. F. Brand" Feed, 1; equaled guaranty.

"Red Wing Brand" Feed, 1; equaled guaranty.

"Our Pride" Dairy Feed, 1; too low in protein.

Louisville Cereal Mill Co., Louisville, Ky. Inspection samples analyzed, 4.

Nonesuch Feed, 2; equaled guaranty.

Nonesuch Hominy Feed, 2; equaled guaranty.

Louisville Feed Mills, Louisville, Ky. Inspection samples analyzed, 6.

Lincoln Scratch Feed, 1; equaled guaranty.

Aetna 16% Dairy Feed, 1; contained corn gluten feed tho not listed; only a trace of flax plant byproduct present.

Lincoln Dairy Feed, 3; 1 no rice bran or flax plant byproduct present, contained corn gluten meal and brewers dried grains tho not listed.

Leader Dairy Feed, 1; too low in protein.

Louisville Milling Co., Louisville, Ky. Inspection samples analyzed, 7.

"Sonny South" Pure Wheat Bran, 1; equaled guaranty.

"Sonny South" Wheat Shorts and Screenings, 4; equaled guaranty.

"Sonny South" Wheat Mixed Feed and Screenings, 2; equaled guaranty.

Louisville Provision Co., Louisville, Ky. Inspection samples of "Loupro" 50% Digester Feeding Tankage analyzed, 2; too high in fiber.

Loveland Flour Mills, Loveland, Colo. Inspection sample of Wheat Mixed Feed and Screenings analyzed, 1; equaled guaranty.

L. B. Lovitt & Co., Memph's, Tenn. Inspection sample of "Lovit Brand" 41% Cottonseed Meal analyzed, 1; much too low in protein.

Luehrmann Milling & Grain Co., St. Louis, Mo. Inspection samples analyzed, 2.

Pasture Dairy Feed, 1; no wheat bran present.

- Cream Dairy Feed, 1; contained corn feed meal and cottonseed meal tho not listed.
- The Lynn Grove Milling Co., Lynn Grove, Ky. Inspection samples of Wheat Bran and Shorts analyzed, 2; too low in protein and fat; contained wheat flour.
- Lyon & Greenleaf Co., Ligonier, Ind. Inspection sample of Waseo Gray Wheat Middlings analyzed, 1; equaled guaranty.
- Magnolia Roller Mills, Magnolia, Ky. Inspection samples of Mill Run Feed analyzed, 2; 1 too low in protein.
- Marianna Sales Co., Memphis, Tenn. Inspection samples of White Mule Brand 41% Cottonseed Meal analyzed, 7; 4 too low in protein; 1 too high in fiber.
- Mayflower Mills, Ft. Wayne, Ind. Inspection sample of Mayflower Mixed Wheat Feed and Screenings analyzed, 1; equaled guaranty.
- McKinney Milling Co., Cadiz, Ky. Inspection samples of Pennyroyal Mixed Wheat Feed analyzed, 2; 1 too low in protein.
- The Mennel Milling Co., Toledo, O. Inspection samples of Memo Wheat Middlings and Screenings analyzed, 2; 1 too low in protein.
- Middlesboro Milling Co., Middlesboro, Ky. Inspection sample of Hi-Grade Mixed Feed analyzed, 1; no salt or calcium carbonate present.
- Miller Cereal Mills, Omaha, Nebr. Inspection samples of Maizco Hominy Feed analyzed, 2; 1 too high in fiber.
- Missouri Cotton Oil Co., Cairo, Ill. Inspection sample of "Mo-Co Brand" 41% Protein Cottonseed Meal analyzed, 1; too low in protein.
- Monarch Milling Co., Mt. Sterling, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein.
- Monroe Milling Co., Union City, Tenn. Inspection sample of "Perfect Brand" Brown Wheat Shorts and Screenings analyzed, 1; too low in protein; contained corn bran.
- Moorman Manufacturing Co., Quincy, Ill. Inspection samples analyzed, 2.
- Moorman's Hog Minerals, 1; excess of salt present; no sulphur, bluestone or baking soda present.
- Moorman's Top-Kream Minerals, 1; no bluestone present.
- Morganfield Roller Mills, Morganfield, Ky. Inspection samples analyzed, 3.
- "White Rose" Mixed Feed, 1; too low in protein; contained wheat middlings tho not listed.
- Culver's Horse and Mule Feed, 1; no salt present; excess of oat hulls present.
- Culver's "Farm Relief Brand" 16% Dairy Feed, 1; too low in fat.
- Morris & Co., Chicago, Ill. Inspection sample of Morris Big Sixty Meat Meal Digester Tankage analyzed, 1; equaled guaranty.

- Mountain City Mill Co., Chattanooga, Tenn. Inspection samples of Blue Stock Feed analyzed, 4; 2 too low in protein; 3 no ground barley or rye middlings present.
- Munfordsville Milling Co., Munfordsville, Ky. Inspection samples of Mixed Feed analyzed, 4; equaled guaranty.
- Henry Nagel & Son, Cincinnati, O. Inspection sample of Brighton Egg Mash analyzed, 1; equaled guaranty.
- National Cottonseed Products Corporation, Memphis, Tenn. Inspection samples of "Star Brand" 41% Protein Cottonseed Meal analyzed, 3; 1 too low in protein.
- National Feed Co., St. Louis, Mo. Inspection sample of Hominy Feed analyzed, 1; equaled guaranty.
- National Milling Co., Toledo, O. Inspection samples analyzed, 2.
Namico Middlings and Screenings, 1; equaled guaranty.
"National" Mixed Feed and Screenings, 1; equaled guaranty.
- Neuhoff Packing Co., Nashville, Tenn. Inspection sample of Neuhoff's 60% Digester Tankage analyzed, 1; equaled guaranty.
- New Era Mills, Allensville, Ky. Inspection samples of Mixed Feed analyzed, 2; 1 too low in fat.
- Newsome Feed & Grain Co., Pittsburg, Pa. Inspection sample of Palmo Midds analyzed, 1; too low in protein; excess of oil present.
- Nicholson Mills, Henderson, Ky. Inspection sample of Vita-Pure 16% Sweet Dairy Feed analyzed, 1; equaled guaranty.
- Norman Milling Co., Calvert City, Ky. Inspection sample of "Nomco" Mixed Wheat Feed and Screenings analyzed, 1; equaled guaranty.
- Northern Illinois Cereal Co., Lockport, Ill. Inspection sample of Oat Hull Feed analyzed, 1; equaled guaranty.
- Northfield Milling Co., Minneapolis, Minn. Inspection samples of Orient Wheat Mixed Feed analyzed, 4; equaled guaranty.
- Nowak Milling Corporation, Hammond, Ind. Inspection samples analyzed, 6.
Hominy Feed, 1; equaled guaranty.
Domino Growing Mash, 1; equaled guaranty.
Union Dairy Feed, 2; 1 no linseed oil meal present.
Cream-O-Lene Dairy Feed, 1; too low in protein.
Domino 32% Protein Mixing Dairy Feed, 1; too low in protein.
- Chas. Nunn & Sons Milling Co., Evansville, Ind. Inspection sample of Pure Wheat Shorts and Screenings analyzed, 1; too low in protein.
- Ohio Farm Bureau Service Co., Lucasville, O. Inspection samples analyzed, 2.
Corn Feed Meal, 1; equaled guaranty.
Scioto Feed, 1; equaled guaranty.

- Owensboro Milling Co., Owensboro, Ky. Inspection samples analyzed, 2.
O-Mil-Co Wheat Feed, 1; equaled guaranty.
Mixed Wheat Feed, 1; equaled guaranty.
- Paducah Milling Co., Paducah, Ky. Inspection samples analyzed, 3.
Mixed Feed, 2; too low in protein; contained ground oats and salt tho not listed.
Wheat Shorts, 1; ground weed seeds present.
- Louis Pallas, Sanders, Ky. Inspection sample of Wheat Bran analyzed, 1; too low in fat; contained wheat screenings tho not listed.
- Park City Milling Co., Bowling Green, Ky. Inspection sample of Mixed Feed analyzed, 1; equaled guaranty.
- Parksville Roller Mills, Parksville, Ky. Inspection samples of Mixed Feed analyzed, 3; contained wheat flour tho not listed.
- Payne & Ramey, Eubank, Ky. Inspection sample of "Farmer's Choice" Feed analyzed, 1; equaled guaranty.
- Pembroke Roller Mills, Pembroke, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein.
- Philpot Mills, Philpot, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein; excess of red dog flour and corn bran present.
- Phoenix Cotton Oil Mill, Dyersburg, Tenn. Inspection samples of Phoenix Choice 41% Grade Cottonseed Meal analyzed, 2; 1 too low in protein and too high in fiber.
- Phoenix Flour Mills, Evansville, Ind. Inspection samples analyzed, 3.
Fancy Shorts and Screenings, 1; too low in protein.
Wheat Mixed Feed and Screenings, 2; equaled guaranty.
- Pillsbury Flour Mills Co., Minneapolis, Minn. Inspection samples analyzed, 2.
Palisade A. M. Feed, 1; equaled guaranty.
Pillsbury's XX Daisy, 1; equaled guaranty.
- Plant Flour Mills Co., St. Louis, Mo. Inspection sample of "Circle P" Wheat Middlings and Screenings analyzed, 1; equaled guaranty.
- R. C. Poage Milling Co., Ashland, Kentucky. Inspection samples analyzed, 2.
"Ideal Brand" Mixed Feed, 1; equaled guaranty.
"Ideal Brand" Stock Feed, 1; equaled guaranty.
- Poole Milling Co., Poole, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein.
- Power Packing Plant, Nashville, Tennessee. Inspection sample of "Power" 60% Tankage analyzed, 1; equaled guaranty.
- Prairie State Milling Co., Chicago, Ill. Inspection sample of "Emerald Brand" Horse Feed analyzed, 1; equaled guaranty.
- Pratt Food Co., Hammond, Ind. Inspection samples analyzed, 5.
Pratt's Growing Mash, 1; equaled guaranty.

Pratt's Laying Mash, 2; equaled guaranty.

Pratt's Rabbit Feed, 1; equaled guaranty.

Pratt's Sweet 16% Dairy Feed, 1; too low in fat and too high in fiber; only small amount of wheat bran and wheat middlings present; contained oat hull feed tho not listed; adulterated and misbranded.

The Proctor & Gamble Distributing Co., Cincinnati, O. Inspection sample of P and G Cocoanut Oil Meal analyzed, 1; equaled guaranty.

Purcell Seed Co., Evansville, Ind. Inspection samples analyzed, 4.

"New Idea" Egg Mash, 1; too high in fiber.

"New Idea" All-Mash Poultry Ration, 1; equaled guaranty.

"New Idea" All-Mash Poultry Ration (With Cod Liver Oil), 1; equaled guaranty.

"New Idea" Dairy Feed, 1; too low in fat.

Quaker Oats Co., Chicago, Ill. Inspection samples analyzed, 4.

Aunt Jemima Gray Wheat Shorts and Screenings, 1; equaled guaranty.

"Vim Brand" Oat Hull Feed, 2; equaled guaranty.

Quaker Schumacher Feed, 1; too low in fat.

Ralston Purina Co., St. Louis, Mo. Inspection samples analyzed, 17.

Purina Egg Chowder, 1; equaled guaranty.

Purina Omolene Chow, 1; equaled guaranty.

Purina Bulky Las Chow, 1; equaled guaranty.

Purina Pig Chow, 2; 1 too low in protein and too high in fiber.

Purina Pig and Hog Chow, 1; equaled guaranty.

Purina "Farm Emergency" Stock Chow Feed, 1; equaled guaranty.

Purina "Farm Emergency" Roughage Chow (Southern States Brand), 2; 1 contained corn gluten feed tho not listed.

Protena Sweet Roughage Feed (Southern States Brand), 2; equaled guaranty.

Purina 20% Cow Chow, 1; equaled guaranty.

Purina 24% Cow Chow, 3; 1 too low in protein.

Protena 24% Dairy Feed, 2; 1 contained alfalfa meal tho not listed.

Randolph Milling Co., Bandana, Ky. Inspection sample of O-Joy analyzed, 1; too low in protein.

Rapier Sugar Feed Co., Owensboro, Kentucky. Inspection samples analyzed, 33.

41% Cottonseed Meal, 1; too low in protein and too high in fiber.

Gray Wheat Shorts and Screenings, 1; equaled guaranty.

Red Dog Flour, 2; equaled guaranty.

Mixed Wheat Feed and Screenings, 1; equaled guaranty.

Rapier's Blue Hen Chick Starter, 2; no molasses present; 1 only trace of gluten meal present.

Rapier's Blue Hen Growing Mash, 1; equaled guaranty.

- Rapier's "All-In-One" Egg Ration, 1; equaled guaranty.
- Rapier's Spécial Laying Mash, 1; too low in protein; contained dried buttermilk tho not listed.
- Rapier's Blue Hen Laying Mash, 2; 1 too low in protein, no molasses present.
- Rapier's Big Four Horse and Mule Feed, 1; too high in fiber.
- Rapier's Red Wing Horse and Mule Feed, 2; no wheat bran present; 1 no salt present.
- King B Stock Feed, 1; no oats present; contained alfalfa product tho not listed; excess oat hull feed present; misbranded.
- Rapier's Sweet Bulky Mixing Feed, 3; ingredients not as guaranteed; contained oat hull feed and excess screenings; misbranded.
- Rapier's Gold Star Hog Supplement Feed, 1; equaled guaranty.
- Rapier's Creamo Dairy Feed, 6; 4 contained brewers byproduct tho not listed; 1 only traces of linseed meal and gluten meal present.
- Rapier's Jersey Cream Dairy Feed, 2; 1 no ricebran or flax-plant byproduct present, contained brewers grains and linseed meal tho not listed; 1 only small amounts of malt sprouts, wheat bran, wheat shorts and corn feed meal present—no bone meal present.
- Rapier's Golden Rod Dairy Feed, 5; 1 much too low in protein; 2 no linseed oil meal present.
- Read Phosphate Co., New Albany, Ind. Inspection sample of Read's Red Diamond 50% Meat Scraps analyzed, 1; too low in fat.
- R. D. Riedling, Louisville, Ky. Inspection samples analyzed, 6.
- R. D.'s Feed, 3; 1 too low in fat; 1 ground weed seeds present.
- Magnolia Laying Mash, 1; equaled guaranty.
- Magnolia Cow Feed, 2; 1 too low in protein.
- Rocky Hill Milling Co., Rocky Hill, Ky. Inspection sample of Mixed Feed analyzed, 1; equaled guaranty.
- Sandusky Bros., Harrodsburg, Ky. Inspection samples of Mill Feed analyzed, 3; equaled guaranty.
- Schu'tt-Baujan & Co., Beardstown, Ill. Inspection samples analyzed, 7.
- Sunbeam Wheat Bran, 2; equaled guaranty.
- Sunbeam Middlings and Screenings, 1; too low in protein; ground weed seeds and corn product present; adulterated and misbranded.
- Sunbeam Mixed Wheat Feed and Screenings, 1; equaled guaranty.
- Critic Mixed Wheat Feed and Screenings, 1; too low in protein.
- Honest 16% Dairy Feed, 1; too low in fat; adulterated with oat hull feed; misbranded.
- Critic 24% Dairy Feed, 1; too low in protein.

Scott County Milling Co., Sikeston, Mo. Inspection samples analyzed, 4.

Gristo Wheat Shorts and Screenings, 2; too low in protein; 1 too low in fat; 1 contained corn feed meal and ground chaff, adulterated and misbranded.

Gristo Mixed Wheat Feed, 2; too low in protein; 1 contained corn feed meal and wheat screenings, adulterated and misbranded.

W. N. Scoville, London, Ky. Inspection sample of Mixed Wheat Feed analyzed, 1; too low in protein.

Security Mills, Knoxville, Tenn. Inspection samples of Security Dairy Feed analyzed, 2; equaled guaranty.

The Shellabarger Mill & Elevator Co., Salina, Kan. Inspection sample of Wheat Mixed Feed and Screenings analyzed, 1; equaled guaranty.

Shepherdsville Roller Mills, Shepherdsville, Ky. Inspection sample of Silver Leaf Dairy Feed analyzed, 1; too low in protein and fat and too high in fiber; contained salt and molasses tho not listed.

The Sherwin-Williams Co., Cleveland, O. Inspection sample of S. W. C. 34% Linseed Oil Meal analyzed, 1; equaled guaranty.

The Simmons Milling Co., Cincinnati, O. Inspection samples analyzed, 5.

Wheat Bran and Screenings, 1; equaled guaranty.

Simco Egg Mash, 1; too high in fiber; contained soybean oil meal tho not listed.

Decko Poultry Fattening Feed, 1; too low in fat.

Simco 24% Dairy Feed, 2; 1 no linseed meal or copra meal present, only small amounts of corn feed meal and hominy meal present, contained soybean meal and ground oats tho not listed, misbranded.

Simpson County Mills, Franklin, Ky. Inspection samples of Mixed Feed analyzed, 2; 1 too low in protein, contained wheat flour and gray middlings tho not listed.

Slaughters Milling Co., Slaughters, Ky. Inspection sample of Wheat Mixed Feed and Screenings analyzed, 1; too low in protein and fat; contained wheat flour.

J. Allen Smith & Co., Knoxville, Tenn. Inspection samples analyzed, 4.

"Peerless Brand" Feed, 2; equaled guaranty.

"Butterfat Brand" Feed, 2; equaled guaranty.

Southern Feed & Grain Co., Louisville, Ky. Inspection samples analyzed, 12.

Diamond Wheat Feed and Screenings, 1; equaled guaranty.

"Ideal Brand" Laying Mash, 2; no salt present; 1 no kaffir meal present.

- Eagle Horse and Mule Feed, 1; too low in protein.
Standard Horse and Mule Feed, 2; 1 too high in fiber.
"Sugar S Brand" Dairy Feed, 4; no calcium carbonate or calcium phosphate present; 1 too low in protein; 2 too low in fat; 1 only trace of alfalfa meal present; 1 contained wheat bran and soybean oil meal tho not listed.
Special Brand Cow Feed, 1; much too low in protein and too high in fiber; no calcium carbonate or calcium phosphate present.
Standard Dairy Feed, 1; no calcium carbonate, calcium phosphate or ground oats present; contained soybean meal tho not listed.
- Sparks Milling Co., Alton, Ill. Inspection samples of "Try Me" Mixed Wheat Feed and Screenings analyzed, 2; equaled guaranty.
- Woodford Spears & Sons, Paris, Ky. Inspection samples of Spears' Feed analyzed, 2; 1 excess of corn bran present.
- Spencer, Kellogg & Sons, Buffalo, N. Y. Inspection sample of Kellogg's 34% Pure Old Process Linseed Meal analyzed, 1; equaled guaranty.
- Staley Milling Co., Kansas City, Mo. Inspection samples analyzed, 4.
"Hypower Brand" Hominy Feed, 1; equaled guaranty.
"Special Hypower Brand" Mixed Feed, 1; equaled guaranty.
"Wyandotte Brand" Scratch Feed, 1; equaled guaranty.
Four Bells Farm Feed, 1; equaled guaranty.
- Standart-Tilton Milling Co., St. Louis, Mo. Inspection samples of American Beauty Wheat Mixed Feed and Screenings analyzed, 2; equaled guaranty.
- Standard Milling Co., Elkton, Ky. Inspection sample of Mixed Feed analyzed, 1; too low in protein and fat; wheat flour present.
- Star Milling Co., Clinton, Ky. Inspection samples analyzed, 3.
Mixed Feed, 1; contained wheat middlings tho not listed; no corn bran present.
Laying Mash, 1; contained linseed oil meal tho not listed.
Farmer's Friend Dairy Feed, 1; equaled guaranty.
- Jesse C. Stewart Co., Pittsburg, Pa. Inspection sample of Big Diamond Brand Feed analyzed, 1; too low in fat.
- The St. Louis Mills Co., St. Louis, Mo. Inspection samples analyzed, 3.
Gilt Edge Fancy Scratch, 1; equaled guaranty.
Gilt Edge Growing Mash, 1; equaled guaranty.
Gilt Edge Green Horse and Mule Feed, 1; equaled guaranty.
- St. Matthews Produce Exchange, St. Matthews, Ky. Inspection sample of Exchange 20% Dairy Feed analyzed, 1; contained salt tho not listed.

- Sunnyside Milling Co., Evansville, Ind. Inspection samples analyzed, 3.
Winter Wheat Shorts and Screenings, 1; too low in protein.
Winter Wheat Mixed Feed and Screenings, 1; equaled guaranty.
Unity All-Mash, 1; equaled guaranty.
- Sunrise Roller Mills, Sunrise, Ky. Inspection sample of Shipstuff analyzed, 1; equaled guaranty.
- Superior Milling Co., Harriman, Tenn. Inspection sample of Superior Mixed Feed analyzed, 1; no cottonseed meal present.
- D. B. Sutherland & Sons, Bloomfield, Ky. Inspection samples analyzed, 4.
Sutherland's Feed, 1; too low in protein and fat; contained flour, whole wheat and corn bran tho not listed; misbranded.
Sutherland's Mixed Feed, 3; 1 too low in protein.
- Sutherland Flour Mills Co., Cairo, Ill. Inspection sample of Sutherland's Mill Feed analyzed, 1; equaled guaranty.
- Swift & Co., Chicago, Ill. Inspection samples of 60% Digester Tankage analyzed, 2; 1 much too low in protein.
- J. H. Tate & Co., Monticello, Ky. Inspection sample of J. H. Tate & Co.'s Feed analyzed, 1; no corn bran present.
- Taylor County Milling Co., Campbellsville, Ky. Inspection sample of Mixed Wheat Feed and Screenings analyzed, 1; equaled guaranty.
- Tell City Flouring Mills, Tell City, Ind. Inspection sample of Hoosier All-Mash Poultry Ration analyzed, 1; equaled guaranty.
- Thomson's Mill, Madisonville, Ky. Inspection samples analyzed, 3.
Thomson's "Farm Relief" Mixed Feed, 1; equaled guaranty.
Thomson's Special Mixed Feed, 1; too low in protein.
Jones Dairy Feed, 1; contained corn gluten feed tho not listed.
- W. W. Thompson & Co., Scottsville, Ky. Inspection sample of Wheat Feed analyzed, 1; equaled guaranty.
- Three Minute Cereals Co., Cedar Rapids, Ia. Inspection samples analyzed, 2.
Red-3 Feeding Oatmeal, 1; equaled guaranty.
Red-3 Reground Oat Hulls, 1; equaled guaranty.
- Trenton Cotton Oil Co., Trenton, Tenn. Inspection samples of "Trenton Brand" 41% Cottonseed Meal analyzed, 3; too low in protein.
- Trenton Milling Co., Trenton, Ill. Inspection sample of Winter Wheat Middlings and Screenings analyzed, 1; too low in protein.
- Trimble Flour Mills, Milton, Ky. Inspection samples analyzed, 2.
Gray Wheat Feed, 1; equaled guaranty.
Triumph Egg Mash, 1; too low in protein; contained alfalfa meal tho not listed.
- W. Trow Co., Madison, Ind. Inspection sample of Trow's Bran and Screenings analyzed, 1; equaled guaranty.

- The Ubiko Milling Co., Cincinnati, O. Inspection samples analyzed, 12.
Ground Barley, 1; equaled guaranty.
Ubiko Egg Mash, 1; equaled guaranty.
Commercial Laying Mash, 2; equaled guaranty.
Ubiko All-Mash Complete Laying Ration, 2; equaled guaranty.
Ubiko Honeycomb Sweet Feed, 1; contained corn gluten feed tho not listed.
Clover Bloom Sweet 16% Feed, 2; 1 too low in protein.
Ubiko Union Grains 20% Sweet Dairy Ration, 1; equaled guaranty.
Ubiko Union Grains 24% Sweet Dairy Ration, 2; equaled guaranty.
- Uniontown Roller Mills, Uniontown, Ky. Inspection sample of Gray Shorts analyzed, 1; too low in protein and too high in fiber.
- United Bi-Products Co., Chicago, Ill. Inspection samples of "Success Brand" 60% Digester Tankage analyzed, 2; too low in protein.
- Valier & Spies Milling Corporation, St. Louis, Mo. Inspection sample of Valier's Mixed Wheat Feed and Screenings analyzed, 1; equaled guaranty.
- Van Meter-Terrell Feed Co., Lexington, Ky. Inspection sample of Viola Cow Feed analyzed, 1; equaled guaranty.
- Vitality Mills, Chicago, Ill. Inspection sample of Sunflower Brand Egg Mash analyzed, 1; too low in protein.
- Walters & Thompson, Shelbyville, Ky. Inspection samples analyzed, 2.
Thompson's Laying Mash, 1; too low in fat.
Thompson's Hog Feed, 1; equaled guaranty.
- Walton Feed Mills, Walton, Ky. Inspection samples analyzed, 2.
Big Bone Corn Feed Meal, 1; too high in fiber.
Big Bone Dairy Ration, 1; too low in protein and fat; contained oat hull feed tho not listed; misbranded.
- Washburn Crosby Co., Minneapolis, Minn. Inspection sample of Kentucky Brand Feed and Screenings analyzed, 1; equaled guaranty.
- John R. Watts & Son, Louisville, Ky. Inspection sample of "Golden Glow Manamar Brand" All-Mash analyzed, 1; equaled guaranty.
- Weisenberger Sanitary Flour Mills, Midway, Ky. Inspection sample of Repeater Feed analyzed, 1; excess of corn bran present.
- Alva West & Co., Maysville, Ky. Inspection sample of Mixed Wheat Feed analyzed, 1; too low in protein.
- West Louisville Mills, W. Louisville, Ky. Inspection sample of Mixed Wheat Feed analyzed, 1; too low in protein.
- Geo. Wetherill & Son, Prestonville, Ky. Inspection sample of Goldenrod Egg Mash analyzed, 1; equaled guaranty.

- Williams Grocery Co., Paintsville, Ky. Inspection sample of Eagle Flour Middlings analyzed, 1; too high in fiber.
- Williamstown Roller Mills, Williamstown, Ky. Inspection samples analyzed, 2.
- Mixed Feed, 1; too low in fat.
- Old Taylor Dairy Feed, 1; equaled guaranty.
- Winchester Roller Mills, Winchester, Ky. Inspection samples of "Perfection Brand" Mixed Feed analyzed, 3; equaled guaranty.
- Woolcott Flour Mills, Lexington, Ky. Inspection samples of "Pride of Kentucky" Mixed Feed analyzed, 2; 1 too high in fiber, excess of screenings present.
- Yopp Seed Co., Paducah, Ky. Inspection sample of "Chief Manamar Brand" Laying Mash analyzed, 1; equaled guaranty.
- Zabel Milling Co., New Albany, Ind. Inspection samples analyzed, 2.
- Mixed Wheat Feed and Screenings, 1; too low in protein.
- "Merry-Go-Round" Feed, 1; too low in protein.
- J. W. Zaring Grain & Mill Co., Richmond, Ky. Inspection sample of Bonanza Feed analyzed, 1; too low in protein; excess of corn bran present; contained salt tho not listed.
- Ziliak & Schafer Milling Co., Evansville, Ind. Inspection samples analyzed, 2.
- Mixed Wheat Feed and Screenings, 1; contained salt tho not listed.
- Lamey's Three-In-One All-Mash 1; equaled guaranty.

